Commonwealth of Kentucky
Division for Air Quality

PERMIT APPLICATION SUMMARY FORM

Completed by: Elahe Houshmand

Name:	STUPP BRIDGE COMPANY
Address:	3800 Weber Road, St. Louis, MO 63125
Date application received:	October 10, 2002
SIC/Source description:	3441- Fabricated structural metal products
Plant ID #:	021-227-00132
A.I. #:	4140
Activity Log #:	APE20020001
Permit number:	F-06-002

APPLICATION TYPE/PERMIT ACTIVITY:

[ ] Initial issuance
[ ] Permit modification
__Administrative
__Minor
__Significant
[**x**] Permit renewal

[ ] General permit
[**x**] Conditional major
[ ] Title V
[ ] Synthetic minor
[**x**] Operating
[ ] Construction/operating

COMPLIANCE SUMMARY:

[ ] Source is out of compliance
[ ] Compliance certification signed
[ ] Compliance schedule included

APPLICABLE REQUIREMENTS LIST:

[ ] NSR [ ] NSPS [ ] SIP
[ ] PSD [ ] NESHAPS [ ] Other

MISCELLANEOUS:

[ ] Acid rain source
[ ] Source subject to 112(r)
[**x**] Source applied for federally enforceable emissions cap
[ ] Source provided terms for alternative operating scenarios
[ ] Source subject to a MACT standard
[ ] Source requested case-by-case 112(g) or (j) determination
[ ] Application proposes new control technology
[**x**] Certified by responsible official
[ ] Diagrams or drawings included
[ ] Confidential business information (CBI) submitted in application
[ ] Pollution Prevention Measures
[ ] Area is non-attainment (list pollutants):

EMISSIONS SUMMARY:

Pollutant	Actual (TPY) From TEMPO Yr 2005	Allowable (TPY)	Potential (TPY)
PM/PM10	2.05	-----	17.6
VOC	5.78	≤ 90*	87.3 (limited)
Single HAP>9 tpy Toluene 108-88-3	-----	≤ 9**	13.8
Xylene 1330-20-7	-----	≤ 9**	12.8
Combined HAPs	-----	≤ 22.5***	28.4

* Source wide VOC emission limit: 90 tons/yr
** Source wide Single HAP emission limit: 9.0 tons/yr
*** Source wide Combined HAPs emission limit: 22.5 tons/yr

SOURCE PROCESS DESCRIPTION:
Stupp Bridge Company has submitted an air permit renewal application. The source currently holds a conditional major permit # F-98-024. The facility is a conditional major source for VOC & HAP.

The renewed permit, F-06-002, will give authorization for operation of a Pre-Clean Blast Machine (EP#02), Grind Machine (EP#08), Final Clean Blast Machine (EP#10), and Prime & Paint Station (EP#11) along with insignificant activities listed in Section C.

Steel is unloaded in the west wing of the building. Steel is fabricated according to client specifications. The processes required include heat straightening some parts of the steel. The steel then goes through the shot blaster to prepare the steel for additional processing. The steel is cut using oxy-fuel burning machine. The steel pieces will go through the Ogden Girder Machines to be welded into girders. The edges of the girders require grinding. The girders are sent through a final shot blaster and then primed and painted. For 10% of the jobs no priming or painting required and for 10% of the jobs both priming and painting are required. Additional operations are required for making and attaching stiffeners and other metal pieces include drilling, milling, and cutting. About 30% of the steel requires splicing. After the steel has been fabricated, the steel is loaded and shipped.

EMISSION AND OPERATING CAPS DESCRIPTION:

The source proposed an emission cap of the following:

VOC emissions less than or equal 90 tons per year.
No individual HAP emissions greater than 9 tons per year.
All HAPS emissions less than or equal to 22.5 tons per year.